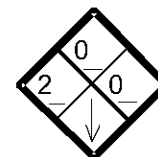


Lilly Miller Brands

Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	B

HMIS RATING

MATERIAL SAFETY DATA SHEET



NFPA RATING

SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Lilly Miller Liquid Iron & Zinc Plus Chelate

MSDS Number: LM-036

Generic Name: Garden fertilizer

Manufacturer: Lilly Miller Brands

Revision Number: New

Address: 16201 SE 98th Avenue
Clackamas, OR 97015

Date Issued: June 17, 2001

Manufacturer's Phone Number: 503-650-4400

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	%	TLV	PEL
Aqua ammonia	1336-21-6	6	17 mg/m ³	35 mg/m ³
Iron compound	Mixture	39	1 mg/m ³ (as iron)	None
Zinc compound	7733-02-0	5	1 mg/m ³ (as zinc)	None
Non-hazardous inert ingredients	Mixture	50	None	None

Key: TLV = ACGIH, 8 hr. time weighted average (TWA); PEL = OSHA permissible exposure limit.

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview: This product is a mildly corrosive chemical which can irritate the eyes, nose and throat. High levels of vapors can irritate the lungs. Wash hands and exposed skin with soap and water after using this product.

HMIS Rating: **Health:** 1 **Fire:** 0 **Reactivity:** 0 **Personal Protection:** B

Potential Health Effects:

Routes of Entry: Inhalation, skin contact, eye contact, ingestion.

Inhalation: Exposure to may lead to irritation of the nose and throat. Inhalation of vapors in concentrations above the TLV/PEL may lead to headaches.

Skin Contact: Product is mildly corrosive. Prolonged or repeated exposure may cause redness and skin irritation.

Eye Contact: Vapors can cause irritation to the eye. Splashes may cause mild corneal burns.

Ingestion: Ingestion can nausea, cramps and irritation of the G.I. system.

Medical Conditions Aggravated by Exposure: Dermatitis, upper respiratory conditions and digestive problems.

Carcinogenicity: Not listed by NTP or IARC. Not regulated as a carcinogen by OSHA.

SECTION IV - FIRST AID MEASURES

Inhalation: Move to an area free from risk of further exposure. Treat symptomatically if required. Get medical attention if conditions persist.

Eye Contact: Flush with copious quantities of clean, lukewarm water at low pressure.

Skin Contact: Wash affected areas thoroughly with soap and warm water immediately after use of this product.

Ingestion: Do not induce vomiting. Give milk of magnesia and large quantities of water.

SECTION V - FIREFIGHTING MEASURES

NFPA Rating: Health: 2 Fire: 0 Reactivity: 0 Other: 0

Flash point and Method: This product is non-flammable.

Extinguishing Method: Not required.

Fire or Explosion Hazards: Under fire conditions this product will emit ammonia fumes.

Special Firefighting Procedures: Not applicable.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Clean-up Procedures: Mop up material and place into waste container.

Personal Precautions: If misty or vaporous conditions exist, wear a face mask approved for use with dusts and mists such as 3M 8511 N-95 or equivalent.

Environmental Precautions: Keep major spills from entering lakes and waterways.

SECTION VII - HANDLING AND STORAGE

Storage Temperature: Store at temperatures above 28° F.

Shelf Life: Not determined.

Special Sensitivity: None.

Handling and Storage Precautions: Avoid eye contact and avoid breathing mists if generated. Good housekeeping is recommended.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: If vaporous conditions exist, wear a face mask approved for use with dusts and mists such as 3M 8511 N-95 or equivalent.

Eye Protection: Use safety glasses if there is potential for exposure to mists and splashes which could cause injury to the eyes.

Skin Protection: Gloves and long sleeved garments are a prudent precaution against excessive skin content.

Engineering Controls: Product is to be used out of doors with good ambient ventilation.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**Physical Form:** Reddish brown solution.**Odor:** Slight ammonia odor**Specific Gravity:** N/D**Vapor Density:** N/D**pH:** <7.0**Solubility in Water:** Soluble**% Volatile by Weight:** approx. 60% as water**SECTION X - REACTIVITY****Stability :** This is stable material.**Hazardous Polymerization:** Will not occur.**Incompatibilities:** Strong acids.**Decomposition Products:** Ammonia.**SECTION XI - TOXICOLOGICAL/ECOLOGICAL INFORMATION****Ecological Concerns:** Lilly Miller Liquid Iron & Zinc Plus Chelate is a greening agent and fertilizer for gardens. Product is hazardous to fish and aquatic life. Keep product from lakes, rivers and streams.**SECTION XII - DISPOSAL CONSIDERATIONS****Waste Disposal Method:** Do not re-use the container. Rinse thoroughly, wrap in several layers of newspaper and discard in trash.**SECTION XIII - TRANSPORTATION INFORMATION****DOT Shipping Name:** Not regulated**DOT Label:** None**Technical Shipping Name:** None**DOT Placard:** None**DOT Hazard Class:** None**UN/NA Number:** None

SECTION XIV - REGULATORY INFORMATION

OSHA Status: This product is regulated under OSHA criteria.

TSCA Status: All applicable chemicals are registered under TSCA.

CERCLA Reportable Quantity: 1000 pounds (Zinc sulfate).

SARA Title III: Reportable under 311/312.

Section 302, Extremely Hazardous: None

Section 311/312 Hazard Categories: N/A.

Section 313 Toxic Chemicals: None

RCRA Status: Not regulated under RCRA

SECTION XV - APPROVALS

Reason for issue: New MSDS

Approval Date: June 18, 2001

Prepared by: Compliance Consulting Group, Inc.
303-795-2060

Supersedes Date: None

SECTION XVI - DISCLAIMER

As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state laws. However, no warranty or representation of law or fact, with respect to such information, is intended or given.